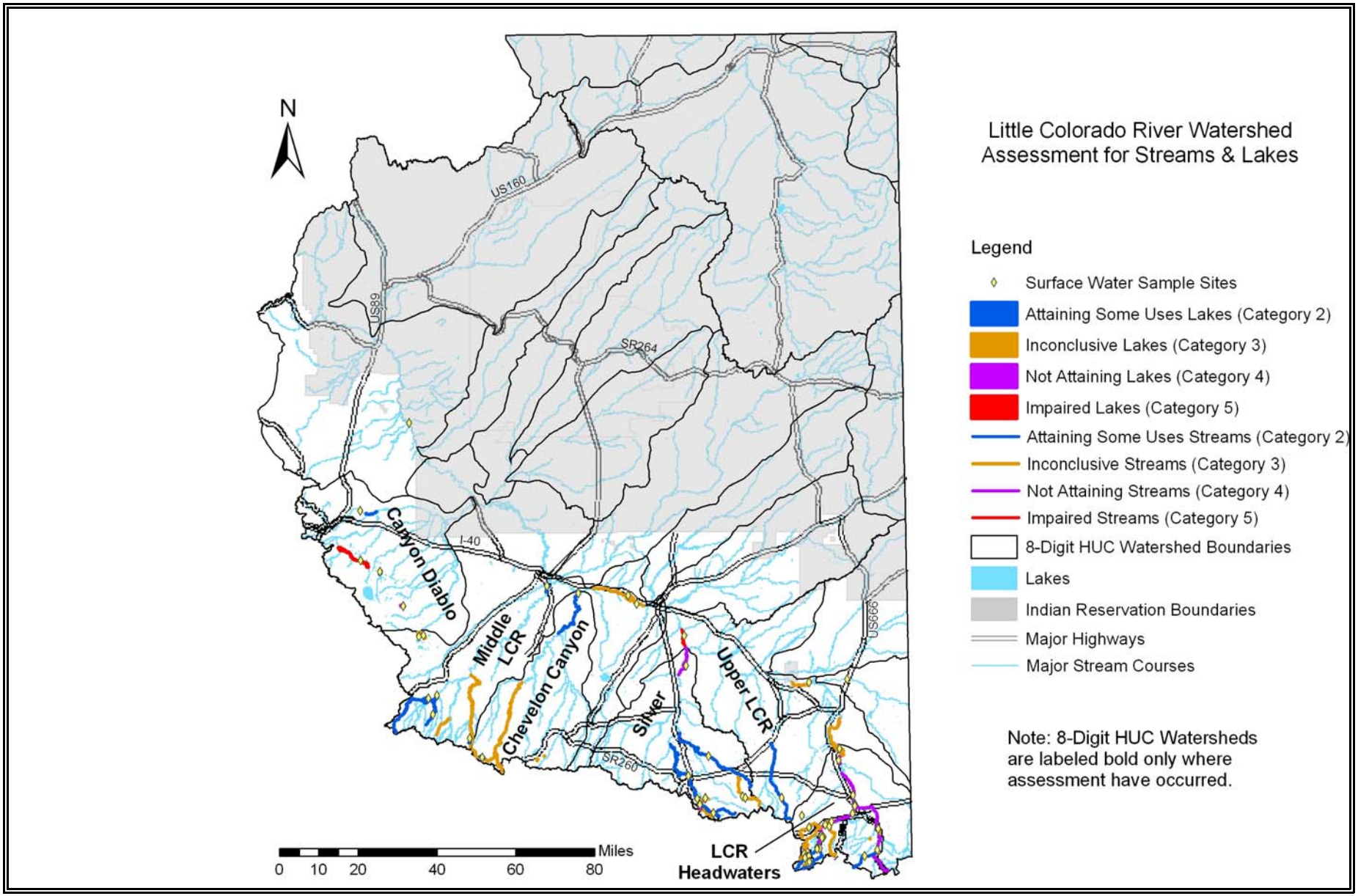

Figure 18. Little Colorado - San Juan Watershed 2004 Monitoring and Assessment Map

TABLE 11. LITTLE COLORADO - SAN JUAN WATERSHED -- 2004 ASSESSMENT MONITORING DATA

STREAM NAME SEGMENT WATERBODY ID DESIGNATED USES	AGENCY AND PROGRAM SITE DESCRIPTION SITE CODE ADEQ DATABASE ID	YEAR SAMPLED NUMBER AND TYPE OF SAMPLES	EXCEEDANCE OF STANDARDS BY SITE					
			PARAMETER UNITS	STANDARD DESIGNATED USE	RANGE OF RESULTS	FREQUENCY EXCEEDED	DESIGNATED USE SUPPORT	COMMENTS
STREAM MONITORING DATA								
Barbershop Canyon Creek headwaters - East Clear Creek AZ15020008-537 A&Wc, FC, FBC, AgL	ADEQ Ambient Monitoring At Merrit Draw LCBRB003.84 100410	2000 - 1 full suite 2001 - 3 full suites	Dissolved oxygen mg/L	>7.0 (90% saturation) (A&Ww)	6.5 - 10.00 (88 - 97%)	1 of 4		Low dissolved oxygen due to naturally occurring ground water upwelling, and not anthropogenic causes. Not included in final assessment. Lab reporting limits for copper were too high to use results for assessment.
	Summary Row **A&Wc Inconclusive** **FC Attaining** **FBC Attaining** **AgL Attaining**	**2000-2001** **4 samples**	**No exceedances**					**ADEQ collected 4 samples in2000-2001. Assessed as "attaining some uses" and placed on the Planning List due to missing core parameter: dissolved copper.**
Billy Creek headwaters - Show Low Creek AZ15020005-019 A&Wc, FC, FBC, AgL	ADEQ Ambient Monitoring At Pinetop LCBIL003.86 100946	2000 - 1 full suite 2001 - 3 full suites	*Escherichia coli* CFU/100 ml	235 (FBC)	<2 - 420	1 of 4		Lab reporting limits for copper were too high to use results for assessment.
			Turbidity NTU	10 (A&Wc)	5 - 16	1 of 2		
	ADEQ Ambient Monitoring Above Porter Creek LCBIl000.03 100947	2000 - 1 full suite 2001 - 3 full suites	Turbidity NTU	10 (A&Wc)	4 - 28	3 of 4		
	Summary Row **A&Wc Inconclusive** **FC Attaining** **FBC Inconclusive** **AgL Attaining**	**2000-2001** **8 samples** **4 sampling events**	***Escherichia coli*** **CFU/100ml**	**235** **(FBC)**	**<2 - 420**	**1 of 4 events** **(in 2000)**	**inconclusive**	**ADEQ collected 8 samples at 2 sites in 2000-2001. Asessed as "attaining some uses" and placed on the Planning List due to exceedance of *Escherichia coli* and the former turbidity standard. Turbidity and suspended sediment concentration (SSC) monitoring will be scheduled during the next monitoring cycle for this watershed.** **Also on the Planning List due to missing core parameter: dissolved copper.**
			Turbidity **NTU**	**10** **(A&Wc)**	**4 - 28**	**4 of 6**	**Inconclusive** **(see comment)**	
Brown Creek headwaters - Silver Creek AZ15020005-016 A&Wc, FC, FBC (tributary rule)	ADEQ Ambient Monitoring Outside of exclosures LCRBRO009.99 101241	2001 -1 full suite	No exceedances					Lab reporting limits for copper were too high to use results for assessment.
	ADEQ Ambient Monitoring Below Brown Spring- within cattle exclosure LCBRO0010.4 101242	2001 - 1 full suite	No exceedances					
	Summary Row **A&Wc Inconclusive** **FC Inconclusive** **FBC Inconclusive** **AgL Inconclusive**	**2001** **2 samples** **1 sampling event**	**No exceedances**				**Not assessed**	**Insufficient monitoring data to assess.**

TABLE 11. LITTLE COLORADO - SAN JUAN WATERSHED -- 2004 ASSESSMENT MONITORING DATA

STREAM NAME SEGMENT WATERBODY ID DESIGNATED USES	AGENCY AND PROGRAM SITE DESCRIPTION SITE CODE ADEQ DATABASE ID	YEAR SAMPLED NUMBER AND TYPE OF SAMPLES	EXCEEDANCE OF STANDARDS BY SITE					
			PARAMETER UNITS	STANDARD DESIGNATED USE	RANGE OF RESULTS	FREQUENCY EXCEEDED	DESIGNATED USE SUPPORT	COMMENTS
Chevelon Creek Black Canyon - Little Colorado River AZ15020005-001 A&Wc, FC, FBC, AgL, Agi	ADEQ Ambient Monitoring Below diversion dam near Winslow LCCHC000.69 100341	2001 - 1 full suite 2002 - 3 full suites	Turbidity NTU	10 (A&Wc)	12 - 34	4 of 4		
	Summary Row **A&Wc Inconclusive** **FC Attaining** **FBC Attaining** **AgI Attaining** **AgL Attaining**	**2001 - 2002** **4 sampling events**	**Turbidity NTU**	**10 (A&Wc)**	**12 - 34**	**4 of 4**	**Inconclusive (see comment)**	**ADEQ collected 4 samples in 2001- 2002. Assessed as "attaining some uses" and placed on the Planning List due to exceedances of the former turbidity standard. Turbidity and suspended sediment concentration (SSC) monitoring will be scheduled during the next monitoring cycle for this watershed.**
Colter Creek headwaters - Nutrioso Creek AZ15020001-293 A&Wc, FC, FBC, AgL	ADEQ Ambient Monitoring Near Nutrioso LCCHC001.94 100935	2001 - 1 full suite 2002 - 3 full suites	No exceedances					Lab reporting limits for copper were too high to use results for assessment.
	Summary Row **A&Wc Inconclusive** **FC Attaining** **FBC Attaining** **AgL Attaining**	**2001 -2002** **4 sampling events**	**No exceedances**					**ADEQ collected 4 samples in 2001-2002. Assessed as "attaining some uses" and placed on the Planning list due to missing core parameter: dissolved copper.**
East Clear Creek headwaters - Yeager Canyon AZ15020008-009 A&Wc, FC, FBC, AgL, AgI	ADEQ Ambient Monitoring Above Yeager Canyon LCECL007.86 100537	2000 - 1 full suite 2001 - 3 full suites	Dissolved oxygen mg/L	> 7.0 (90% saturation) (A&Wc)	5.4 - 10.5 (72 - 91%)	2 of 4		Lab reporting limits for copper were too high to use results for assessment.
	Summary Row **A&Wc Inconclusive** **FC Attaining** **FBC Attaining** **AgI Attaining** **AgL Attaining**	**2000 - 2001** **4 samples** **4 sample events**	**Dissolved oxygen mg/L**	**> 7.0 (90% saturation) (A&Wc)**	**5.4 - 10.5 (72 - 91%)**	**2 of 4**	**Inconclusive**	**ADEQ collected 4 samples in 2000-2001. Assessed as "attaining some uses" and placed on the Planning List due to low dissolved oxygen and missing core parameter: dissolved copper.**
Fish Creek headwaters - Little Colorado River AZ15020001-211 A&Wc, FC, FBC, AgL	ADEQ Ambient Monitoring upstream FS Road #118 LCFIS001.97 101244	2001 - 1 full suite	Mercury (dissolved) µg/L	0.01 (A&Wc chronic)	0.8	1 of 1		Lab reporting limits for copper samples were too high to use results for assessment. Dissolved mercury data to compared to total mercury standard. Missing core parameter: dissolved copper.
				0.6 (FC)		1 of 1		
	Summary Row **A&Wc Inconclusive** **FC Inconclusive** **FBC Inconclusive** **AgL Inconclusive**	**2001** **1 sampling event**	**Mercury (dissolved) µg/L**	**0.01 (A&Wc chronic)**	**0.8**	**1 of 1 event (insufficient events)**	**Inconclusive**	**Insufficient monitoring data to assess.** **Placed on the Planning List due to mercury exceedance.**
				0.6 (FC)		**1 of 1**	**Inconclusive**	

TABLE 11. LITTLE COLORADO - SAN JUAN WATERSHED -- 2004 ASSESSMENT MONITORING DATA

STREAM NAME SEGMENT WATERBODY ID DESIGNATED USES	AGENCY AND PROGRAM SITE DESCRIPTION SITE CODE ADEQ DATABASE ID	YEAR SAMPLED NUMBER AND TYPE OF SAMPLES	EXCEEDANCE OF STANDARDS BY SITE					
			PARAMETER UNITS	STANDARD DESIGNATED USE	RANGE OF RESULTS	FREQUENCY EXCEEDED	DESIGNATED USE SUPPORT	COMMENTS
Hall Creek headwaters - Little Colorado River AZ15020001-012 A&Wc, FC, FBC, AgI, AgL	ADEQ Ambient Monitoring Below wilderness area and above Highway 273 LCHAL007.00 101263	2001 - 1 full suite	Dissolved oxygen mg/L	>7.0 (A&Wc)	6.5	1 of 1		Low dissolved oxygen due to naturally occurring ground water upwelling, and not anthropogenic causes. Not included in final assessment. Missing core parameters: dissolved metals (copper, cadmium, and zinc). Lab reporting limits for dissolved metals were too high to use results for assessment.
	Summary Row **A&Wc Inconclusive** **FC Inconclusive** **FBC Inconclusive** **AgI Inconclusive** **AgL Inconclusive**	**2000-2001** **1 sampling event**	**No exceedances**				**Not assessed**	**Insufficient monitoring data to assess.**
Lee Valley Creek Lee Valley Reservoir - East Fork of Little Colorado River AZ15020001-232B A&Wc, FBC, FC, AGL	ADEQ Ambient Monitoring Above wilderness boundary LCLVL00.85 101243	2001 - 1 full suite	No exceedances					Missing core parameters: dissolved metals (copper, cadmium, and zinc). Lab reporting limits for dissolved metals were too high to use results for assessment.
	Summary Row **A&Wc Inconclusive** **FC Inconclusive** **FBC Inconclusive** **AgL Inconclusive**	**2001** **1 sampling event**	**No exceedances**				**Not assessed**	**Insufficient monitoring data to assess.**
Little Colorado River West Fork Little Colorado - Water Canyon AZ15020001-011 A&Wc, FC, FBC, AgI, AgL	Town of Eager "Big Ditch" Project Site 1 - At South Fork of LCR LCLCR174.81	2001 - 3 field 2002 - 12 field	Turbidity NTU	10 (A&Wc)	3 - 18	2 of 15		Lab reporting limits for dissolved copper and cadmium were too high to use results for assessment.
	Town of Eager "Big Ditch" Project Site 2 - At golf course LCLCR174.26	2001 - 3 field 2002 - 12 field	Turbidity NTU	10 (A&Wc)	5 - 29	3 of 15		
	ADEQ Ambient Monitoring Below South Fork of LCR LCLCR173.85 100581	2000 - 1 full suite 2001 - 3 full suites	Turbidity NTU	10 (A&Wc)	6 - 21	1 of 4		
	ADEQ Ambient Monitoring Above South Fork of LCR LCLCR173.84 100580	1998 - 1 partial suite	No exceedances					
	Town of Eager "Big Ditch" Project Site 3 - At State Route 60 Port of Entry LCLCR172.98	2001 - 3 field 2002 - 12 field	Turbidity NTU	10 (A&Wc)	9 - 33	12 of 15		
			Dissolved oxygen mg/L	> 7.0 (90% saturation) (A&Wc)	6.4 - 12.4	1 of 15		

TABLE 11. LITTLE COLORADO - SAN JUAN WATERSHED -- 2004 ASSESSMENT MONITORING DATA

STREAM NAME SEGMENT WATERBODY ID DESIGNATED USES	AGENCY AND PROGRAM SITE DESCRIPTION SITE CODE ADEQ DATABASE ID	YEAR SAMPLED NUMBER AND TYPE OF SAMPLES	EXCEEDANCE OF STANDARDS BY SITE PARAMETER UNITS	STANDARD DESIGNATED USE	RANGE OF RESULTS	FREQUENCY EXCEEDED	DESIGNATED USE SUPPORT	COMMENTS
	Summary Row **A&Wc Not attaining** **FC Attaining** **FBC Attaining** **AgI Attaining** **AgL Attaining**	**1998 - 2002** **50 samples** **20 sampling events**	**Turbidity NTU**	**10 (A&Wc)**	**3 - 21**	**18 of 50**	**Not attaining**	**The Town of Eager collected 45 field samples, and ADEQ collected 5 samples from 1998-2002. A turbidity TMDL was completed for the Little Colorado River in 2002.** **Assessed as "not attaining" due to turbidity and placed on the Planning List for TMDL follow-up monitoring and missing core parameters: dissolved metals (copper and cadmium).**
			Dissolved oxygen mg/L	**> 7.0 (A&Wc)**	**6.4 - 12.4**	**1 of 50**	**Attaining**	
Little Colorado River Nutrioso Creek - Carnero Wash AZ15020001-009 A&Wc, FC, FBC, AgI, AgL	ADEQ Fixed Station Network Below Springerville WWTP LCLCR172.60 100331	1999 - 3 full + 1 partial suite 2000 - 4 full suites 2001 - 4 full suites 2002 - 1 full suite	*Escherichia coli* CFU/100 ml	235 (FBC)	260	1 of 12		
			Turbidity NTU	10 (A&Wc)	5 - 24	9 of 12		
	Summary Row **A&Wc Not attaining** **FC Attaining** **FBC Inconclusive** **AgI Attaining** **AgL Attaining**	**1999-2000** **13 sampling events**	***Escherichia coli* CFU/100 ml**	**235 (FBC)**	**260**	**1 of 12 events (in 2000)**	**Inconclusive**	**ADEQ collected 13 samples in 1999-2000. A turbidity TMDL was completed for the Little Colorado River in 2002.** **Assessed as "not attaining" due to exceedances of the former turbidity standard and placed on the Planning List for TMDL follow-up monitoring. Also placed on the Planning List due to *Escherichia coli* exceedance.**
			Turbidity NTU	**10 (A&Wc)**	**5 - 24**	**9 of 12**	**Not attaining**	
Little Colorado River unnamed reach (15020001-021) to Lyman Lake AZ15020001-005 A&Wc, FC, FBC, AgI, AgL	ADEQ Ambient Monitoring Above Lyman Lake LCLCR161.69 101174	2000 - 1 full suite 2001 - 3 full suites	*Escherichia coli* CFU/100 ml	235 (FBC)	<2 - 354	1 of 3		
			Turbidity NTU	10 (A&Wc)	18 - 481	3 of 3		
	Summary Row **A&Wc Not attaining** **FC Attaining** **FBC Inconclusive** **AgI Attaining** **AgL Attaining**	**2000-2001** **4 sampling events**	***Escherichia coli* CFU/100 ml**	**235 (FBC)**	**<2 - 354**	**1 of 3 events (in 2001)**	**Inconclusive**	**ADEQ collected 4 samples in 2000-2001. A turbidity TMDL was completed for the Little Colorado River in 2002.** **Assessed as "not attaining" due to exceedances of the former turbidity standard and placed on the Planning List for *Escherichia coli* exceedance and TMDL follow-up montioring.**
			Turbidity NTU	**10 (A&Wc)**	**18 - 481**	**3 of 3**	**Not attaining**	
Little Colorado River HUC 15020001 boundary - unnamed tributary (AZ15020002-025) AZ15020002-024 A&Wc, FC, FBC, DWS, AgI, AgL	AGFD Routine Monitoring At Weinema Bridge LCLCR158.36	1999 - 1 partial suite 2000 - 1 partial suite	No exceedances					Missing core parameters: turbidity/SSC, *Escherichia coli,* total boron, dissolved metals (copper, cadmium, and zinc), and total metals (mercury, arsenic, and chromium).
	Summary Row **A&Wc Inconclusive** **FC Inconclusive** **FBC Inconclusive** **DWS Inconclusive** **AgI Inconclusive** **AgL Inconclusive**	**2000** **2 sampling events**	**No exceedances**				**Not assessed**	**Insufficient monitoring data to assess.**

TABLE 11. LITTLE COLORADO - SAN JUAN WATERSHED -- 2004 ASSESSMENT MONITORING DATA

STREAM NAME SEGMENT WATERBODY ID DESIGNATED USES	AGENCY AND PROGRAM SITE DESCRIPTION SITE CODE ADEQ DATABASE ID	YEAR SAMPLED NUMBER AND TYPE OF SAMPLES	EXCEEDANCE OF STANDARDS BY SITE					
			PARAMETER UNITS	STANDARD DESIGNATED USE	RANGE OF RESULTS	FREQUENCY EXCEEDED	DESIGNATED USE SUPPORT	COMMENTS
Little Colorado River Silver Creek - Carr Wash AZ15020002-004 A&Wc, FC, FBC, DWS, AgI, AgL	USGS & ADEQ Fixed Station Near Woodruff LCLCR120.11 100334	1998 - 1 partial suite 1999 - 1 full + 3 partial suites 2000 - 3 full + 1 partial suite 2001 - 4 full suites 2002 - 1 full + 1 partial suite	Arsenic (total) µg/L	50 (DWS, FBC)	<10 - 67	1 of 11		
			Barium (total) µg/L	2000 (DWS)	180 - 7,700	2 of 10		
			Beryllium (total) µg/L	4 (DWS)	<0.5 - 43	2 of 12		
			Chromium (total) µg/L	100 (DWS)	<10 - 120	1 of 12		
			Dissolved oxygen mg/L	>7 (90% saturation) (A&Wc)	6.3 - 10.2 (81 - 105%)	1 of 11		
			Escherichia coli CFU/100 ml	235 (FBC)	<2 - 57,000	2 of 9 (2 in last 3-year period)		
			Lead (total) µg/L	15 (DWS, FBC)	<5 - 290	3 of 12		
				100 (AgL)		2 of 12		
			Manganese (total) µg/L	980 (DWS)	<50 - 9,800	2 of 12		
			Mercury (total) µg/L	0.6 (FC)	<0.5 - 0.97	1 of 12		
			Nickel (total) µg/L	140 (DWS)	<100 - 210	1 of 10		
			Suspended sediment conc. (SSC) mg/L	80 (geometric mean) (A&Wc)	248	1 of 1 sample		Insufficient data to calculate a geometric mean. Need a minimum of 4 samples. Not included in the final assessment.
			Turbidity NTU	10 (A&Wc)	54 - >1000	8 of 8		

TABLE 11. LITTLE COLORADO - SAN JUAN WATERSHED -- 2004 ASSESSMENT MONITORING DATA

STREAM NAME SEGMENT WATERBODY ID DESIGNATED USES	AGENCY AND PROGRAM SITE DESCRIPTION SITE CODE ADEQ DATABASE ID	YEAR SAMPLED NUMBER AND TYPE OF SAMPLES	EXCEEDANCE OF STANDARDS BY SITE PARAMETER UNITS	STANDARD DESIGNATED USE	RANGE OF RESULTS	FREQUENCY EXCEEDED	DESIGNATED USE SUPPORT	COMMENTS
	Summary Row **A&Wc Not attaining** **FC Attaining** **FBC Impaired** **DWS Inconclusive** **AgI Attaining** **AgL Attaining**	**1998-2002** **15 samples** **15 sampling events**	**Arsenic (total)** **µg/L**	**50** **(DWS, FBC)**	**<10 - 67**	**1 of 11**	**Attaining**	**ADEQ and USGS collected 19 samples in 1998-2002. Assessed as "impaired" due to *Escherichia coli* exceedances. Assessed as "not attaining" due to turbidity exceedances (see comment in Table 14 to follow).** **Placed on the Planning List due to exceedances of the:** **1. Lead standard and** **2. Former turbidity standard. Turbidity and suspended sediment concentration (SSC) monitoring will be scheduled during the next monitoring cycle for this watershed.**
			Barium (total) **µg/L**	**2000** **(DWS)**	**180 - 7,700**	**2 of 10**	**Attaining**	
			Beryllium (total) **µg/L**	**4** **(DWS)**	**<0.5 - 43**	**2 of 12**	**Attaining**	
			Chromium (total) **µg/L**	**100** **(DWS)**	**<10 - 120**	**1 of 12**	**Attaining**	
			Dissolved oxygen **mg/L**	**> 7** **(90% saturation)** **(A&Wc)**	**6.3 - 10.2** **(81 - 105%)**	**1 of 11**	**Attaining**	
			Escherichia coli **CFU/100 ml**	**235** **(FBC)**	**<2 - 57,000**	**2 of 9 events** **(in 2000 and 2001)**	**Impaired**	
			Lead (total) **µg/L**	**15** **(DWS, FBC)**	**<5 - 290**	**3 of 12**	**Inconclusive**	
				100 **(AgL)**	**<5 - 371**	**2 of 12**	**Attaining**	
			Manganese (total) **µg/L**	**980** **(DWS)**	**<50 - 9,800**	**2 of 12**	**Attaining**	
			Mercury (total) **µg/L**	**0.6** **(FC)**	**<0.5 - 0.97**	**1 of 12**	**Attaining**	
			Nickel (total) **µg/L**	**140** **(DWS)**	**<100 - 210**	**1 of 10**	**Attaining**	
			Turbidity **NTU**	**10** **(A&Wc)**	**54 - >1000**	**8 of 8**	**Inconclusive** **(Not attaining)**	
Little Colorado River Zion Reservoir - Concho Creek AZ15020002-016 A&Wc, FBC, FC, DWS, AgI, AgL	USGS Fixed Station Near St. Johns #09386100 LCLCR143.39 101459	1999 - 5 SSC events 2000 - 9 SSC events 2001 - 5 SSC events 2002 - 3 SSC events	Suspended sediment concentration (SSC) mg/L	80 (geometric mean) (A&Wc)	8 - 2180	see comment below		
	Summary Row **A&Wc Inconclusive** **FC Inconclusive** **FBC Inconclusive** **DWS Inconclusive** **AgI Inconclusive** **AgL Inconclusive**	**1999-2002** **39 samples** **22 sampling events**	**Suspended sediment concentration (SSC)** **mg/L**	**80** **(geometric mean)** **(A&Wc)**	**8 - 2180**	**see comment at right**	**Inconclusive**	**USGS collected 39 SSC samples during 22 sampling events in 1999-2002. Assessed as "inconclusive" and placed on the Planning List due to potential exceedances of the SSC geometric mean standard.** **Also on the Planning List due to missing core parameters: all except SSC.**

TABLE 11. LITTLE COLORADO - SAN JUAN WATERSHED -- 2004 ASSESSMENT MONITORING DATA

STREAM NAME SEGMENT WATERBODY ID DESIGNATED USES	AGENCY AND PROGRAM SITE DESCRIPTION SITE CODE ADEQ DATABASE ID	YEAR SAMPLED NUMBER AND TYPE OF SAMPLES	EXCEEDANCE OF STANDARDS BY SITE					
			PARAMETER UNITS	STANDARD DESIGNATED USE	RANGE OF RESULTS	FREQUENCY EXCEEDED	DESIGNATED USE SUPPORT	COMMENTS
Little Colorado River Porter Tank Draw - McDonalds Wash AZ15020008-017 A&Ww, FBC, FC, DWS, AgI, AgL	USGS Fixed Station Near Joseph City #09397300 LCLCR108.60 101480	1998 - 8 SSC events 1999 - 6 SSC events 2000 - 3 SSC events 2001 - 8 SSC events 2002 - 2 SSC events	Suspended sediment conc. (SSC) mg/L	80 (geometric mean) (A&Wc)	146 - 515,000	see comment at right		
	Summary Row **A&Ww Impaired*** **FC Inconclusive** **FBC Inconclusive** **DWS Inconclusive** **AgI Inconclusive** **AgL Inconclusive**	**1998-2002** **93 samples** **27 sampling events**	**Suspended sediment concentration (SSC) mg/L**	**80 (geometric mean) (A&Wc)**	**146 - 515,000**	**see comment at right**	**Inconclusive**	**USGS collected 93 SSC samples during 27 sampling events in 1998-2002.*** **Reach was on the 2002 303(d) List due to past copper and silver exceedances (no current data). Assessed as "impaired" due to copper and silver.** **Placed on the Planning List due to potential exceedances of the SSC geometric mean standard and missing core parameters: all missing except SSC.**
Little Colorado River, East Fork headwaters - Hall Creek AZ15020001-230 A&Wc, FBC, FC, AGL	ADEQ Ambient Monitoring Near Greer LCELR000.92 100948	2000 - 1 full suite 2001 - 3 full suites	No exceedances					Lab reporting limits for dissolved copper and cadmium were too high to assess the chronic standard.
	Summary Row **A&Wc Inconclusive** **FC Attaining** **FBC Attaining** **AgL Attaining**	**2000-2001** **4 sampling events**	**No exceedances**					**ADEQ collected 4 samples in 2000-2001. Assessed as "attaining some uses" and placed on the Planning List due to missing core parameters: dissolved metals (copper and cadmium).**
Little Colorado River, South Fork headwaters - Little Colorado R. AZ15020001-027 A&Wc, FC, FBC, AgL	ADEQ Biocriteria Program At S. Fork Campground LCSLR001.29 100644	1998 - 1 partial suite	No exceedances					Missing core parameters: *Escherichia coli*, dissolved metals (copper and zinc), and total metals (mercury, copper, and lead). Lab reporting limits for dissolved copper were too high to use results for assessment.
	Summary Row **A&Wc Inconclusive** **FC Inconclusive** **FBC Inconclusive** **AgL Inconclusive**	**1998** **1 sampling event**	**No exceedances**				**Not assessed**	**Insufficient monitoring data to assess.**
Little Colorado River, West Fork headwaters - Gov't Springs AZ15020001-013A A&Wc, FC, FBC Unique Water	ADEQ Biocriteria Program Mount Baldy Wilderness LCWLR004.09 100694	1998 - 1 partial suite	No exceedances					Lab reporting limits for dissolved copper and cadmium were too high to use results for assessment.
	ADEQ Ambient Monitoring Below Sheep's Crossing LCWLR003.30 100945	2000 - 1 partial suite 2001 - 2 full suites 2002 - 1 full suite	No exceedances					
	ADEQ Biocriteria Program Above Government Springs LCWLR001.08 100695	1998 - 1 partial suite	No exceedances					

TABLE 11. LITTLE COLORADO - SAN JUAN WATERSHED -- 2004 ASSESSMENT MONITORING DATA

STREAM NAME SEGMENT WATERBODY ID DESIGNATED USES	AGENCY AND PROGRAM SITE DESCRIPTION SITE CODE ADEQ DATABASE ID	YEAR SAMPLED NUMBER AND TYPE OF SAMPLES	EXCEEDANCE OF STANDARDS BY SITE					
			PARAMETER UNITS	STANDARD DESIGNATED USE	RANGE OF RESULTS	FREQUENCY EXCEEDED	DESIGNATED USE SUPPORT	COMMENTS
	Summary Row **A&Wc Inconclusive** **FC Attaining** **FBC Attaining**	**1998-2002** **6 samples** **5 sampling event**	**No exceedances**					**ADEQ collected 6 samples at 3 sites in 1998-2002. Assessed as "attaining some uses" and placed on the Planning List due to missing core parameters: dissolved metals (copper and cadmium).**
Little Colorado River, West Fork Gov't Springs - Little Colorado AZ15020001-013B A&Wc, FC, FBC, AgL	ADEQ Fixed Station Network At Government Springs LCWLR000.78 100328	1999 - 4 full suites 2000 - 4 full suites 2001 - 4 full suites 2002 - 1 full suite	Dissolved oxygen mg/L	> 7.0 (90% saturation) (A&Wc)	6.3 - 10.7 (82 - 116%)	2 of 11		Low dissolved oxygen due to naturally occurring ground water upwelling (at spring), and not anthropogenic causes. Not included in final assessment. Lab reporting limits for 12 other copper and cadmium samples were too high to use results for assessments.
			Copper (dissolved) µg/L	varies by hardness (A&Wc chronic)	<10 - 13	1 of 1		
				varies by hardness (A&Wc acute)	<10 - 13	1 of 1		
	Summary Row **A&Wc Inconclusive** **FC Attaining** **FBC Attaining** **AgL Attaining**	**1999-2002** **13 sampling events**	**Copper (dissolved) µg/L**	**varies by hardness (A&Wc chronic)**	**<10 - 13**	**1 of 1 event (insufficient events)**	**Inconclusive**	**ADEQ collected 13 samples in 1999-2002. Assessed as "attaining some uses" and placed on the Planning List due to copper exceedance and missing core parameters: dissolved metals (copper and cadmium).**
				varies by hardness (A&Wc acute)	**<10 - 13**	**1 of 1 event (in 2002)**	**Inconclusive**	
Mineral Creek headwaters - Concho Creek AZ15020002-648 A&Wc, FC, FBC, AgI, AgL	ADEQ Ambient Monitoring Above Forest Road #404 LCMIN014.01 100593	2000 - 1 full suite 2001 - 3 full suites	Dissolved oxygen mg/L	>7.0 (90% saturation) (A&Wc)	6.4 - 9.9 (86 - 91%)	1 of 4		Lab reporting limits for dissolved copper were too high to use results for assessment.
	Summary Row **A&Wc Inconclusive** **FC Attaining** **FBC Attaining** **AgI Attaining** **AgL Attaining**	**2000-2001** **4 samples**	**Dissolved oxygen mg/L**	**> 7.0 (90% saturation) A&Wc)**	**6.4 - 9.9 (86 - 91%)**	**1 of 4**	**Inconclusive**	**ADEQ collected 4 samples in 2000-2001. Assessed as "attaining some uses" and placed on the Planning List due to low dissolved oxygen and missing core parameter: dissolved copper.**
Nutrioso Creek headwaters - Picnic Creek AZ15020001-017 A&Wc, FC, FBC, AgI, AgL	ADEQ Ambient Monitoring Near Nutrioso, Arizona LCNUT012.17 100936	2000 - 1 full suite 2001 - 3 full suites	Dissolved oxygen mg/L	> 7.0 (90% saturation) (A&Wc)	5.1 - 9.2 (64 - 91%)	2 of 4		Low dissolved oxygen due to naturally occurring ground water upwelling, and not anthropogenic causes. Not included in the final assessment.
			Turbidity NTU	10 (A&Wc)	9 - 34	1 of 4		
	Summary Row **A&Wc Not attaining** **FC Attaining** **FBC Attaining** **AgI Attaining** **AgL Attaining**	**2000-2001** **4 samples**	**Turbidity NTU**	**10 (A&Wc)**	**9 - 34**	**1 of 4**	**Inconclusive (Not attaining)**	**ADEQ collected 4 samples in 2000-2001. A turbidity TMDL was approved by EPA in 2000. Assessed as "not attaining" and placed on the Planning List for TMDL follow-up monitoring.**

TABLE 11. LITTLE COLORADO - SAN JUAN WATERSHED -- 2004 ASSESSMENT MONITORING DATA

STREAM NAME SEGMENT WATERBODY ID DESIGNATED USES	AGENCY AND PROGRAM SITE DESCRIPTION SITE CODE ADEQ DATABASE ID	YEAR SAMPLED NUMBER AND TYPE OF SAMPLES	EXCEEDANCE OF STANDARDS BY SITE					
			PARAMETER UNITS	STANDARD DESIGNATED USE	RANGE OF RESULTS	FREQUENCY EXCEEDED	DESIGNATED USE SUPPORT	COMMENTS
Porter Creek headwaters - Show Low Creek AZ15020005-246 A&Wc, FC, FBC, AgL	ADEQ Ambient Monitoring Above Scott Reservoir LCPRT001.23 101415	2002 - 1 full suite	Turbidity NTU	10 (A&Wc)	14	1 of 1		Lab reporting limits for copper samples were too high to use results for assessment. Missing core parameter: dissolved copper.
	AGFD Ambient Monitoring Above Scott Reservoir LCPRT001.17	1998 - 1 field, nutrients	No exceedances					
	Summary Row **A&Wc Inconclusive** **FC Inconclusive** **FBC Inconclusive** **AgL Inconclusive**	**1998-2002** **2 sampling events**	**Turbidity NTU**	**10 (A&Wc)**	**14**	**1 of 1**	**Inconclusive (see comment)**	**Insufficient monitoring data to assess. Placed on the Planning List due to exceedance of the former turbidity standard. Turbidity and suspended sediment concentration (SSC) monitoring will be scheduled during the next monitoring cycle for this watershed.**
Rio de Flag Flagstaff WWTP - San Francisco Wash AZ15020015-004B A&Wedw, PBC	ADEQ Ambient Monitoring At Doney Park, Flagstaff LCRDF002.97 10127	2000 - 1 full suite 2001 - 3 full suites	Turbidity NTU	50 (A&Wedw)	4 - 71	1 of 4		
	Summary Row **A&Wedw Inconclusive** **PBC Attaining**	**2000 - 2001** **4 sampling events**	**Turbidity NTU**	**50 (A&Wedw)**	**4 - 71**	**1 of 4**	**Inconclusive (see comment)**	**ADEQ collected 4 samples in 2000-2001. Assessed as "attaining some uses" and placed on the Planning List due to exceedance of former turbidity standard. Turbidity and suspended sediment concentration (SSC) monitoring will be scheduled during the next monitoring cycle for this watershed.**
Show Low Creek headwaters - Linden Wash AZ15020005-012 A&Wc, FC, FBC, AgI, AgL	AGFD Routine Monitoring Above Show Low Lake LCSHL017.18	1998 - 1 field, nutrients	No exceedances					
	ADEQ Ambient Monitoring Near Show Low, AZ LCSHL011.06 100340	2000 - 1 full suite 2001 - 3 full suites	Dissolved oxygen mg/L	> 7.0 (90% saturation) (A&Wc)	5.0 - 8.7 (73 - 110%)	1 of 4		Low dissolved oxygen due to naturally occurring ground water upwelling, and not anthropogenic causes. Not included in the final assessment.
			Turbidity NTU	10 (A&Wc)	15 - 58	3 of 3		
	AGFD Routine Monitoring Above Fools Hollow Lake LCSHL010.47	1998 - 1 field, nutrients	No exceedances					
	Summary Row **A&Wc Inconclusive** **FC Attaining** **FBC Attaining** **AgI Attaining** **AgL Attaining**	**1998- 2001** **6 samples** **5 sampling events**	**Turbidity NTU**	**10 (A&Wc)**	**15 - 58**	**3 of 5**	**Inconclusive (see comment)**	**AGFD and ADEQ collected 6 samples at 3 sites in 1998-2001. Assessed as "attaining some uses" and placed on the Planning List due to exceedance of the former turbidity standard. Turbidity and suspended sediment concentration (SSC) monitoring will be scheduled during the next monitoring cycle for this watershed.**

TABLE 11. LITTLE COLORADO - SAN JUAN WATERSHED -- 2004 ASSESSMENT MONITORING DATA

STREAM NAME SEGMENT WATERBODY ID DESIGNATED USES	AGENCY AND PROGRAM SITE DESCRIPTION SITE CODE ADEQ DATABASE ID	YEAR SAMPLED NUMBER AND TYPE OF SAMPLES	EXCEEDANCE OF STANDARDS BY SITE PARAMETER UNITS	STANDARD DESIGNATED USE	RANGE OF RESULTS	FREQUENCY EXCEEDED	DESIGNATED USE SUPPORT	COMMENTS
Sliver Creek headwaters - Show Low Creek AZ15020005-013 A&Wc, FC, FBC, AgI, AgL	ADEQ Ambient Monitoring Below AGFD hatchery LCSIL028.19 101125	2000 - 1 full suite 2001 - 3 full suites	Dissolved oxygen mg/L	> 7.0 (90% saturation) (A&Wc)	6.5 - 10.0 (79 - 121%)	1 of 4		Lab reporting limits for dissolved copper were too high to use results for assessment.
			Turbidity NTU	10 (A&Wc)	8 - 19.4	1 of 4		
	Summary Row **A&Wc Inconclusive** **FC Attaining** **FBC Attaining** **AgI Attaining** **AgL Attaining**	**2000 - 2001** **4 sampling events**	**Dissolved oxygen mg/L**	**> 7.0 (90% saturation) A&Wc)**	**6.5 - 10.0 (70 - 121%)**	**1 of 4**	**Inconclusive**	**ADEQ collected 4 samples in 2000-2001. Assessed as "attaining some uses" and placed on the Planning List due to low dissolved oxygen, a missing core parameter (dissolved copper), and an exceedance of the former turbidity standard. Turbidity and suspended sediment concentration (SSC) monitoring will be scheduled during the next monitoring cycle for this watershed.**
			Turbidity NTU	**10 (A&Wc)**	**8 - 19.4**	**1 of 4**	**Inconclusive (see comment)**	
Silver Creek 7-mile Draw - Little Colorado R. AZ15020005-001 A&Wc, FC, FBC, AgI, AgL	ADEQ Ambient Monitoring Near Snowflake LCSIL004.78 100337	2002 - 1 full suite	Turbidity NTU	10 (A&Wc)	136	1 of 1		
	Summary Row **A&Wc Not attaining** **FC Inconclusive** **FBC Inconclusive** **AgI Inconclusive** **AgL Inconclusive**	**2002** **1 sampling event**	**Turbidity NTU**	**10 (A&Wc)**	**136**	**1 of 1**	**Inconclusive (Not attaining)**	**Assessed as "not attaining" due to turbidity exceedances (see comment in Table 14 to follow).** **Turbidity and suspended sediment concentration (SSC) monitoring will be scheduled during the next monitoring cycle for this watershed.**
LAKE MONITORING DATA								
Ashurst Lake AZL15020015-0090 A&Wc, FC, FBC, AgI, AgL	ADEQ Lakes Program LCASH-A (at dam) 100973	2000 - 1 full + 1 partial suite 2001 - 2 partial suites	Turbidity NTU	10 (A&Wc)	114 - 120	3 of 3		Lab reporting limits for copper were too high to use results for assessment.
	ADEQ Lakes Program LCASH-B (mid lake) 101294	2001 - 1 full suite	Turbidity NTU	10 (A&Wc)	116	1 of 1		
	ADEQ Lakes Program LCASH-BR (boat ramp) 101327	2001 - 1 *Escherichia coli*	No exceedances					
	Summary Row **A&Wc Inconclusive** **FC Attaining** **FBC Inconclusive** **AgI Attaining** **AgL Attaining**	**2000-2001** **6 samples** **4 sampling events**	**Turbidity NTU**	**10 (A&Wc)**	**114 - 120**	**4 of 4**	**Inconclusive (see comment)**	**ADEQ collected 6 samples in 2000-2001. Assessed as "attaining some uses" and placed on the Planning List due to missing core parameters and exceedance of the former turbidity standard. The causes and sources of turbidity will be investigated during the next monitoring cycle for this watershed.** **Missing core parameters: *Escherichia coli* and dissolved metals (cadmium, copper, and zinc).**

TABLE 11. LITTLE COLORADO - SAN JUAN WATERSHED -- 2004 ASSESSMENT MONITORING DATA

STREAM NAME SEGMENT WATERBODY ID DESIGNATED USES	AGENCY AND PROGRAM SITE DESCRIPTION SITE CODE ADEQ DATABASE ID	YEAR SAMPLED NUMBER AND TYPE OF SAMPLES	EXCEEDANCE OF STANDARDS BY SITE					
			PARAMETER UNITS	STANDARD DESIGNATED USE	RANGE OF RESULTS	FREQUENCY EXCEEDED	DESIGNATED USE SUPPORT	COMMENTS
Bear Canyon Lake AZ15020008-0130 A&Wc, FC, FBC, AgI, AgL	ADEQ Lakes Program LCBCL-A (deepest) 100969	2000 - 1 full suite 2001 - 3 full suites	Dissolved oxygen mg/L	> 7.0 (90% saturation) (A&Wc)	6.6 - 8.0 (79 - 85%)	1 of 4		Lab detection limits for dissolved metals (cadmium, copper, and zinc) were too high to use results for assessments.
			pH SU	6.5 - 9.0 (A&Wc, FBC, AgI, AgL)	5.8 - 6.8	3 of 4		
			Selenium µg/L	2.0 (A&Wc chronic)	<2 - 3	1 of 4		
	ADEQ Lakes Program LCBCL-B (mid lake) 100970	2000 - 1 partial suite	Dissolved oxygen mg/L	> 7 (90% saturation) (A&Wc)	6.7 (80%)	1 of 1		
			pH SU	6.5 - 9.0 (A&Wc, FBC, AgI, AgL)	6.1	1 of 1		
	ADEQ Lakes Program LCBCL-BR (boat ramp) 100970	2001 - 1 *Escherichia coli*	No exceedances					
	Summary Row **A&Wc Inconclusive** **FC Attaining** **FBC Inconclusive** **AgI Inconclusive** **AgL Inconclusive**	**2000 - 2001** **6 samples** **4 sampling events**	**Dissolved oxygen mg/L**	**> 7.0 (90% saturation) (A&Wc)**	**6.6 - 8.0 (79 - 85%)**	**2 of 5**	**Inconclusive**	**ADEQ collected 6 samples at 3 sites in 2000 - 2001. Assessed as "attaining some uses" and placed on the Planning List due to low dissolved oxygen, pH and selenium exceedances, and missing core parameters: *Escherichia coli* and dissolved metals (copper, cadmium, and zinc).**
			pH SU	**6.5 - 9.0 (A&Wc, FBC, AgI, AgL)**	**5.8 - 6.8**	**4 of 5**	**Inconclusive**	
			Selenium µg/L	**2.0 (A&Wc chronic)**	**<2 - 3**	**1 of 4 events (insufficient events)**	**Inconclusive**	
Blue Ridge Reservoir AZL15020008-0200 A&Wc, FC, FBC, AgI, AgL	ADEQ Lakes Program LCBRR-A (deepest) 100974	2000 - 1 partial suite 2001 - 1 full + 2 partial suites	Dissolved oxygen mg/L	> 7.0 (90% saturation) (A&Wc)	6.7 - 11.0 (73 - 121%)	1 of 3		Lab reporting limits for dissolved metals (cadmium, copper, and zinc) were too high to use results for assessment.
	ADEQ Lakes Program LCBRR-C 101293	2001 - 1 partial suite	No exceedances					
	Summary Row **A&Wc Inconclusive** **FC Attaining** **FBC Inconclusive** **AgI Attaining** **AgL Attaining**	**2000 - 2001** **5 samples** **4 sampling events**	**Dissolved oxygen mg/L**	**> 7.0 (90%saturation) (A&Wc)**	**6.7 - 11.0 (73 - 121%)**	**1 of 3**	**Inconclusive**	**ADEQ collected 5 samples at 2 sites in 2000 - 2001. Assessed as "attaining some uses" and placed on the Planning List due to low dissolved oxygen and missing core parameters: *Escherichia coli* and dissolved metals (copper, cadmium, and zinc).**
Bunch Reservoir AZL15020001-0230 A&Wc, FC, FBC, AgI, AgL	AGFD Ambient Monitoring LCBUN - MID LAKE	2001 - 3 partial suites	Dissolved oxygen mg/L	> 7.0 (90% saturation) (A&Wc)	5.6 - 8.2 (66 - 99%)	2 of 3		
	Summary Row **A&Wc Inconclusive** **FC Inconclusive** **FBC Inconclusive** **AgI Inconclusive** **AgL Inconclusive**	**2001** **3 sampling events**	**Dissolved oxygen mg/L**	**> 7.0 (90%saturation) (A&Wc)**	**5.6 - 8.2 (66 - 90%)**	**2 of 3**	**Inconclusive**	**AGFD collected 3 samples in 2001. Assessed as "inconclusive" and placed on the Planning List due to low dissolved oxygen and missing core parameters: turbidity, *Escherichia coli*, total boron, dissolved metals (copper, cadmium, and zinc), and total metals (mercury and lead).**

TABLE 11. LITTLE COLORADO - SAN JUAN WATERSHED -- 2004 ASSESSMENT MONITORING DATA

STREAM NAME SEGMENT WATERBODY ID DESIGNATED USES	AGENCY AND PROGRAM SITE DESCRIPTION SITE CODE ADEQ DATABASE ID	YEAR SAMPLED NUMBER AND TYPE OF SAMPLES	EXCEEDANCE OF STANDARDS BY SITE					
			PARAMETER UNITS	STANDARD DESIGNATED USE	RANGE OF RESULTS	FREQUENCY EXCEEDED	DESIGNATED USE SUPPORT	COMMENTS
Carnero Lake AZL15020001-0260 A&Wc, FC, FBC, AgL	AGFD Ambient Monitoring LCCAR-MID LAKE	2001 - 3 partial suites	Dissolved oxygen mg/L	> 7.0 (90% saturation) (A&Wc)	3.9 - 7.5 (55 - 97%)	1 of 3		
			pH SU	6.5 - 9.0 (A&Wc, FBC, AgL)	8.3 - 9.9	2 of 3		
	Summary Row **A&Wc Inconclusive** **FC Inconclusive** **FBC Inconclusive** **AgL Inconclusive**	**2001** **3 sampling events**	**Dissolved oxygen mg/L**	**> 7.0 (90% saturation) (A&Wc)**	**3.9 - 7.5 (55 - 97%)**	**1 of 3**	**Inconclusive**	**AGFD collected 3 samples in 2001. Assessed as "inconclusive" and placed on the Planning List due to low dissolved oxygen, high pH, and missing core parameters: turbidity, *Escherichia coli*, dissolved metals (copper, cadmium, and zinc), and total metals (mercury and lead).**
			pH SU	**6.5 - 9.0 (A&Wc, FBC, AgL)**	**8.3 - 9.9**	**2 of 3**	**Inconclusive**	
Cholla Lake AZL15020008-0320 A&Ww, FC, FBC	AGFD Ambient Monitoring LCCHO - MID LAKE	1999 - 3 partial suites 2001 - 1 partial suite	No exceedances					Lab reporting limits for mercury were too high to assess the standard.
	AGFD Ambient Monitoring Warmwater inflow LCCHO - INFLOW	1999 - 3 partial suites 2001 - 1 partial suite	No exceedances					
	Summary Row **A&Ww Inconclusive** **FC Inconclusive** **FBC Inconclusive**	**1999-2001** **8 samples** **4 sampling events**	**No exceedances**					**AGFD collected 8 samples in 1999-2001. Assessed as "inconclusive" and placed on the Planning List due to a fish kill in 2002 and missing core parameters: turbidity, *Escherichia coli*, total mercury, and dissolved metals (copper, cadmium, and zinc).**
Clear Creek Reservoir AZL15020008-0340 A&Wc, FC, FBC, DWS, AgI, AgL	AGFD Ambient Monitoring Above Forest Road #99 LCCCR - 1	1999 - 3 partial suites	No exceedances					
	AGFD Ambient Monitoring Dam Site LCCCR - DAM SITE	1999 - 2 partial suites	Dissolved oxygen mg/L	> 7.0 (90% saturation) (A&Wc)	6.3 - 7.6 (79 - 99%)	1 of 2		
	Summary Row **A&Wc Inconclusive** **FC Inconclusive** **FBC Inconclusive** **DWS Inconclusive** **AgI Inconclusive** **AgL Attaining**	**1999** **5 samples** **3 sampling events**	**Dissolved oxygen mg/L**	**> 7.0 (90% saturation) (A&Wc)**	**6.3 - 7.6**	**1 of 5**	**Inconclusive**	**AGFD collected 5 samples at 2 sites in 1999. Assessed as "attaining some uses" and placed on the Planning List due to one low dissolved oxygen result and missing core parameters: turbidity, *Escherichia coli*, total fluoride, total boron, dissolved metals (copper, cadmium, and zinc), and total mercury.**
Kinnikinick Lake AZL15020015-0730 A&Wc, FC, FBC, AgL	ADEQ Lakes Program LCKIN - A (deepest) 100971	2000 - 1 partial suite 2001 - 2 full + 1 partial suites 2002 - 1 partial suite	Turbidity NTU	10 (A&Wc)	66 - 71	5 of 5		Lab reporting limits for dissolved cadmium and copper were too high to use results for assessment.
			Selenium µg/L	2.0 (A&Wc chronic)	<2 - 3	1 of 4		
	ADEQ Lakes Program LCKIN - B (mid lake) 100972	2000 - 1 partial suite 2001 - 1 partial suite	Turbidity NTU	10 (A&Wc)	60 - 69	2 of 2		
	ADEQ Lakes Program LCKIN - BR (boat ramp) 100972	2001 - 1 *Escherichia coli*	No exceedances					

TABLE 11. LITTLE COLORADO - SAN JUAN WATERSHED -- 2004 ASSESSMENT MONITORING DATA

STREAM NAME SEGMENT WATERBODY ID DESIGNATED USES	AGENCY AND PROGRAM SITE DESCRIPTION SITE CODE ADEQ DATABASE ID	YEAR SAMPLED NUMBER AND TYPE OF SAMPLES	EXCEEDANCE OF STANDARDS BY SITE					
			PARAMETER UNITS	STANDARD DESIGNATED USE	RANGE OF RESULTS	FREQUENCY EXCEEDED	DESIGNATED USE SUPPORT	COMMENTS
	Summary Row **A&Wc Not attaining** **FC Attaining** **FBC Inconclusive** **AgL Attaining**	**2000 - 2002** **8 samples** **4 sampling events**	**Turbidity NTU**	**10 (A&Wc)**	**60 - 71**	**7 of 7**	**Inconclusive (Not attaining)**	**ADEQ collected 8 samples at 3 sites in 2000 - 2002. Assessed as "not attaining" due to turbidity exceedances (see comment in Table 14 to follow). Causes and sources of turbidity will be investigated during the next monitoring cycle for this watershed.** **Placed on the Planning List due to selenium exceedances and missing core parameters: dissolved metals (copper, cadmium, and zinc) and *Escherichia coli*.**
			Selenium µg/L	**2 (A&Wc chronic)**	**<2 - 3**	**1 of 4 events (insufficient events)**	**Inconclusive**	
Lake Mary – (Upper) AZL15020015-0900 A&Wc, FC, FBC, DWS, AgL	ADEQ Lakes Program LCMAU - A (deepest) 100029	2002 - 1 partial suite	Turbidity NTU	10 (A&Wc)	70	1 of 1		Missing core parameters: dissolved oxygen, field pH, *Escherichia coli*, and dissolved metals (cadmium and copper). Lab reporting limits for dissolved cadmium and copper were too high to use results for assessment. All samples collected on the same date.
	ADEQ Lakes Program LCMAU - B (mid lake) 101312	2002 - 1 partial suite	Turbidity NTU	10 (A&Wc)	67	1 of 1		
	ADEQ Lakes Program LCMAU - C 101314	2002 - 1 partial suite	Turbidity NTU	10 (A&Wc)	69	1 of 1		
	Summary Row **A&Wc Inconclusive** **FC Impaired** **FBC Inconclusive** **DWS Inconclusive** **AgL Inconclusive**	**2002** **3 samples** **1 sampling event**	**Turbidity NTU**	**10 A&Wc**	**67 - 70**	**3 of 3 samples (1 of 1 event)**	**Inconclusive (see comment)**	**Assessed as "impaired" due to mercury in fish tissue.** **EPA placed this reach on the 2002 303(d) List because mercury in fish tissue led to a fish consumption advisory in 2002. Once listed, the lake cannot be delisted until a TMDL is complete or there are sufficient data collected to indicate that mercury in fish tissue is no longer a concern (fish consumption advisory is removed).** **Placed on the Planning List due to exceedances of the former turbidity standard. Turbidity exceedances will be investigated during the next monitoring cycle for this watershed.**
Lee Valley Reservoir AZL15020001-0770 A&Wc, FC, FBC, AgI, AgL	AGFD Ambient Monitoring LCLEE	1998 - 3 partial suites	No exceedances					Lab reporting limits for dissolved cadmium and copper were too high to use results for assessment.
	ADEQ Lakes Program LCLEE - A (deepest) 101356	2001 - 1 partial suite 2002 - 2 partial suites	No exceedances					
	ADEQ Lakes Program LCLEE - SH (shoreline) 101357	2002 - 2 *Escherichia coli*	No exceedances					
	Summary Row **A&Wc Inconclusive** **FC Attaining** **FBC Inconclusive** **AgI Attaining** **AgL Attaining**	**1998 - 2002** **8 samples** **6 sampling events**	**No exceedances**					**ADEQ and AGFD collected 8 samples in 1998 - 2002. Assessed as "attaining some uses" and placed on the Planning List due to missing core parameters: *Escherichia coli* and dissolved metals (cadmium and copper).**

TABLE 11. LITTLE COLORADO - SAN JUAN WATERSHED -- 2004 ASSESSMENT MONITORING DATA

STREAM NAME SEGMENT WATERBODY ID DESIGNATED USES	AGENCY AND PROGRAM SITE DESCRIPTION SITE CODE ADEQ DATABASE ID	YEAR SAMPLED NUMBER AND TYPE OF SAMPLES	EXCEEDANCE OF STANDARDS BY SITE					
			PARAMETER UNITS	STANDARD DESIGNATED USE	RANGE OF RESULTS	FREQUENCY EXCEEDED	DESIGNATED USE SUPPORT	COMMENTS
Long Lake (Lower) AZL15020008-0820 A&Wc, FC, FBC, AgI, AgL	AGFD Ambient Monitoring North end LCLLL - North	1998 - 3 partial suites	No exceedances					
	AGFD Ambient Monitoring South Cove LCLLL - South	1998 - 3 partial suites 2001 - 1 partial suite	No exceedances					
	Summary Row **A&Wc Inconclusive** **FC Inconclusive** **FBC Inconclusive** **AgI Inconclusive** **AgL Inconclusive**	**1998 - 2001** **7 samples** **3 sampling events**	**No exceedances**					**AGFD collected 7 samples in 1998 - 2001. Assessed as "inconclusive" and placed on the Planning List due to insufficient seasonal coverage and missing core parameters: turbidity, *Escherichia coli*, total boron, total metals (mercury, manganese, copper, and lead), and dissolved metals (copper, cadmium, and zinc).** **A fish consumption advisory due to mercury in fish tissue was issued in 2003. This may be evidence of narrative standards violations.**
Lyman Lake AZL15020001-0850 A&Wc, FC, FBC, AgI, AgL	AGFD Ambient Monitoring LCLYM - A (dam site)	1998 - 1 partial suite	No exceedances					Missing all core parameters: turbidity, field pH, *Escherichia coli*, dissolved metals (copper, cadmium, and zinc), and total metals (mercury, copper, and lead).
	Summary Row **A&Wc Inconclusive** **FC Inconclusive** **FBC Inconclusive** **AgI Inconclusive** **AgL Inconclusive**	**1997-1998** **1 sampling event**	**No exceedances**				**Not assessed**	**Insufficient monitoring data to assess.** **A fish consumption advisory due to mercury in fish tissue was issued in 2002. This may be evidence of narrative standards violations.**
Nelson Reservoir AZL15020001-1000 A&Wc FC, FBC, AgI, AgL	AGFD Ambient Monitoring LCNEL - DAM SITE	1998 - 1 partial suite	No exceedances					Missing core parameters: turbidity, *Escherichia coli*, total boron, and total metals (mercury, manganese, copper, and lead) and dissolved metals (copper, cadmium, and zinc).
	Summary Row **A&Wc Inconclusive** **FC Inconclusive** **FBC Inconclusive** **AgI Inconclusive** **AgL Inconclusive**	**1998** **1 sampling event**	**No exceedances**				**Not assessed**	**Insufficient monitoring data to assess.**
Rainbow Lake AZL15020005-1170 A&Wc, FC, FBC, AgI, AgL	ADEQ Lakes Program LCRAI - A (deepest) 100069	2002 - 1 full suite	No exceedances					Missing core parameter: field turbidity,
	ADEQ Lakes Program LCRAI - B (mid lake) 100070	2002 - 1 partial suite	No exceedances					
	ADEQ Lakes Program LCRAI - BR (boad ramp) 101402	2002 - 1 *Escherichia coli*	No exceedances					

TABLE 11. LITTLE COLORADO - SAN JUAN WATERSHED -- 2004 ASSESSMENT MONITORING DATA

STREAM NAME SEGMENT WATERBODY ID DESIGNATED USES	AGENCY AND PROGRAM SITE DESCRIPTION SITE CODE ADEQ DATABASE ID	YEAR SAMPLED NUMBER AND TYPE OF SAMPLES	EXCEEDANCE OF STANDARDS BY SITE					
			PARAMETER UNITS	STANDARD DESIGNATED USE	RANGE OF RESULTS	FREQUENCY EXCEEDED	DESIGNATED USE SUPPORT	COMMENTS
	Summary Row **A&Wc Not attaining** **FC Inconclusive** **FBC Not attaining** **AgI Not attaining** **AgL Not attaining**	**2002** **3 samples** **1 sampling event**	**No exceedances**				**Not assessed**	**Insufficient monitoring data to assess.** **Narrative nutrient TMDL completed in 2000. This lake will remain "not attaining" until there are sufficient data to indicate that dissolved oxygen, pH, and nutrients are supporting designated uses.**
River Reservoir AZL15020001-1220 A&Wc, FC, FBC, AgI, AgL	AGFD Ambient Monitoring LCRIV-MID (mid lake)	2001 - 3 partial suites	No exceedances					
	Summary Row **A&Wc Inconclusive** **FC Inconclusive** **FBC Inconclusive** **AgI Inconclusive** **AgL Inconclusive**	**2001** **3 sampling events**	**No exceedances**					**AGFD collected 3 samples in 2001. Assessed as "inconclusive" and placed on the Planning List due to missing core parameters: turbidity, *Escherichia coli*, total boron, total metals (mercury and lead), and dissolved metals (copper, cadmium and zinc).**
Soldier's Annex Lake AZL15020008-1430 A&Wc FC, FBC, AgI, AgL	AGFD Ambient Monitoring LCNEL - DAM SITE	2001 - 1 partial suite	No exceedances					Missing core parameters: turbidity, *Escherichia coli*, dissolved oxygen, total boron, total metals (mercury, manganese, lead, and copper), and dissolved metals (copper, cadmium, and zinc).
	Summary Row **A&Wc Inconclusive** **FC Inconclusive** **FBC Inconclusive** **AgI Inconclusive** **AgL Inconclusive**	**2001** **1 sampling event**	**No exceedances**				**Not assessed**	**Insufficient monitoring data to assess.** **A fish consumption advisory due to mercury in fish tissue was issued in 2003. Assessed as "inconclusive" and placed on the Planning List. This may be evidence of narrative standards violations.**
Soldiers Lake AZ15020008-1440 A&Wc, FC, FBC, AgI, AgL	ADEQ Priority Pollutant Program – fish tissue	Data not shown No water quality data						
	Summary Row **A&Wc Inconclusive** **FC Inconclusive** **FBC Inconclusive** **AgI Inconclusive** **AgL Inconclusive**							**A fish consumption advisory due to mercury in fish tissue was issued in 2003. Assessed as "inconclusive" and placed on the Planning List. This may be evidence of narrative standards violations.**
Tunnel Reservoir AZL15020001-1550 A&Wc FC, FBC, AgI, AgL	AGFD Ambient Monitoring LCNEL - MID LAKE	2001 - 3 partial suites	Dissolved oxygen mg/L	> 7.0 (90% saturation) (A&Wc)	4 - 8.1 (56 - 97%)	1 of 3		
	Summary Row **A&Wc Inconclusive** **FC Inconclusive** **FBC Inconclusive** **AgI Inconclusive** **AgL Inconclusive**	**2001** **3 sampling events**	**Dissolved oxygen mg/L**	**> 7.0 (90% saturation) (A&Wc)**	**4 - 8.1 (56 - 97%)**	**1 of 3**	**Inconclusive**	**AGFD collect 3 samples in 2001. Assessed as "inconclusive" and placed on the Planning List due to low dissolved oxygen and missing core parameters: turbidity, *Escherichia coli*, total boron, total metals (mercury, manganese, and lead), and dissolved metals (copper, cadmium, and zinc).**

TABLE 11. LITTLE COLORADO - SAN JUAN WATERSHED -- 2004 ASSESSMENT MONITORING DATA

STREAM NAME SEGMENT WATERBODY ID DESIGNATED USES	AGENCY AND PROGRAM SITE DESCRIPTION SITE CODE ADEQ DATABASE ID	YEAR SAMPLED NUMBER AND TYPE OF SAMPLES	EXCEEDANCE OF STANDARDS BY SITE					
			PARAMETER UNITS	STANDARD DESIGNATED USE	RANGE OF RESULTS	FREQUENCY EXCEEDED	DESIGNATED USE SUPPORT	COMMENTS
Woods Canyon Lake AZL15020010-1700 A&Wc, FC, FBC, DWS, AgI, AgL	ADEQ Lakes Program LCWCL - A (deepest) 100092	2000 - 1 partial suite 2001 - 2 full + 1 partial suite	No exceedances					
	ADEQ Lakes Program LCWCL - B (mid lake) 10093	2000 - 1 full suite 2001 - 2 full suites	No exceedances					
	ADEQ Lakes Program LCWCL - BR (boat ramp) 101324	2001 - 1 *Escherichia coli*	No exceedances					
	Summary Row **A&Wc Inconclusive** **FC Attaining** **FBC Inconclusive** **DWS Attaining** **AgI Attaining** **AgL Attaining**	**2000 - 2001** **8 samples** **4 sampling events**	**No exceedances**					**ADEQ collected 8 samples at 3 sites in 2001-2002. Assessed as "attaining some uses" and placed on the Planning List due to missing core parameters: *Escherichia coli* and dissolved metals (cadmium, copper, and zinc).**

TABLE 12. LITTLE COLORADO-SAN JUAN WATERSHED — ASSESSMENT, PLANNING LIST, AND 303(d) STATUS TABLE

SURFACE WATER DESCRIPTION	2004 ASSESSMENT 5-CATEGORIES LAKE TROPHIC STATUS	2004 PLANNING LIST	STATUS OF 2002 303(d) LIST RECOMMENDATIONS FOR 2004 LIST	OTHER INFORMATION
LITTLE COLORADO-SAN JUAN WATERSHED – STREAM ASSESSMENTS				
Barbershop Canyon Creek headwaters - East Clear Creek 10 miles AZ15020008-537	A&Wc Inconclusive FC Attaining FBC Attaining AgL Attaining Category 2 -- Attaining Some Uses	On the Planning List due to missing core parameter: dissolved copper.		
Billy Creek headwaters - Show Low Creek 19 miles AZ15020005-019	A&Wc Inconclusive FC Attaining FBC Inconclusive AgL Attaining Category 2 -- Attaining Some Uses	On the Planning List due to: 1. *Escherichia coli* exceedance (1 of 4 sampling events). 2. Former turbidity standard exceedances (4 of 6 samples). Turbidity and suspended sediment concentration (SSC) monitoring will be scheduled during the next monitoring cycle for this watershed. 3. Missing core parameter: dissolved copper.		
Brown Creek headwaters - Silver Creek 15 miles AZ15020005-016	A&Wc Inconclusive FC Inconclusive FBC Inconclusive Category 3 — Inconclusive (not assessed)	On the Planning List due to insufficient monitoring data to assess (only 2 samples).		
Buck Springs Canyon Creek headwaters - Leonard Canyon 7 miles AZ15020008-557	A&Wc Inconclusive FC Inconclusive FBC Inconclusive AgL Inconclusive Category 3 -- Inconclusive (not assessed)	On the Planning List. No current data. Added in 2002 due to: 1. Turbidity and pH exceedances (1 of 1 sample each). 2. Missing core parameters. 3. Insufficient sampling events.		
Chevelon Creek headwaters - West Chevelon Creek 32 miles AZ15020010-006	A&Wc Inconclusive FC Inconclusive FBC Inconclusive AgI Inconclusive AgL Inconclusive Category 3 -- Inconclusive (not assessed)	On the Planning List. No current data. Added in 2002 due to: 1. Low dissolved oxygen. 2. Missing core parameters.		
Chevelon Creek Black Canyon - Little Colorado River 19 miles AZ15020010-001	A&Wc Inconclusive FC Attaining FBC Attaining AgI Attaining AgL Attaining Category 2 -- Attaining Some Uses	On the Planning List due to former turbidity standard exceedances (4 of 4 samples). Turbidity and suspended sediment concentration (SSC) monitoring will be scheduled during the next monitoring cycle for this watershed.		
Colter Creek headwaters - Nutrioso Creek 9 miles AZ15020001-293	A&Wc Inconclusive FC Attaining FBC Attaining AgL Attaining Category 2 -- Attaining Some Uses	On the Planning List due to missing core parameter: dissolved copper.		
East Clear Creek headwaters - Yeager Canyon 38 miles AZ15020008-009	A&Wc Inconclusive FC Attaining FBC Attaining AgI Attaining AgL Attaining Category 2 -- Attaining Some Uses	On the Planning List due to: 1. Low dissolved oxygen (2 of 4 samples). 2. Missing core parameter: dissolved copper.		

TABLE 12. LITTLE COLORADO-SAN JUAN WATERSHED — ASSESSMENT, PLANNING LIST, AND 303(d) STATUS TABLE

SURFACE WATER DESCRIPTION	2004 ASSESSMENT 5-CATEGORIES LAKE TROPHIC STATUS	2004 PLANNING LIST	STATUS OF 2002 303(d) LIST RECOMMENDATIONS FOR 2004 LIST	OTHER INFORMATION
Fish Creek headwaters - Little Colorado River 9 miles AZ15020001-211	A&Wc Inconclusive FC Inconclusive FBC Inconclusive AgL Inconclusive Category 3 -- Inconclusive (not assessed)	On the Planning List due to: 1. Insufficient monitoring data to assess (only 1 sample). 2. Mercury exceedance (1 of 1 sample).		
Hall Creek headwaters - Little Colorado River 14 miles AZ15020001-012	A&Wc Inconclusive FC Inconclusive FBC Inconclusive AgI Inconclusive AgL Inconclusive Category 3 -- Inconclusive (not assessed)	On the Planning List due to insufficient monitoring data to assess (only 1 sample).		
Lee Valley Creek Lee Valley Reservoir - East Fork Little Colorado River 3 miles AZ15020001-232B	A&Wc Inconclusive FC Inconclusive FBC Inconclusive AgL Inconclusive Category 3 -- Inconclusive (not assessed)	On the Planning List due to insufficient monitoring data to assess (only 1 sample).		
Little Colorado River West Fork Little Colorado - Water Canyon Creek 20 miles AZ15020001-011	A&Wc Not attaining FC Attaining FBC Attaining AgI Attaining AgL Attaining Category 4A -- Not attaining	On the Planning List for turbidity TMDL follow-up monitoring. Turbidity still exceeding former standard in 9 of 12 samples. Turbidity and suspended sediment concentration (SSC) monitoring will be scheduled during the next monitoring cycle for this watershed.		A turbidity TMDL was approved by EPA in 2002. Placed on the Planning List in 2002 for TMDL follow-up monitoring.
Little Colorado River Water Canyon Creek - Nutrioso Creek 4 miles AZ15020001-010	A&Wc Not attaining FC Inconclusive FBC Inconclusive AgI Inconclusive AgL Inconclusive Category 4A — Not attaining	On the Planning List. No current data. Added in 2002 for turbidity TMDL follow up monitoring (turbidity exceedances then in 5 of 6 samples). Turbidity and suspended sediment concentration (SSC) monitoring will be scheduled during the next monitoring cycle for this watershed.		A turbidity TMDL was approved by EPA in 2002. Placed on the Planning List in 2002 for TMDL follow-up monitoring.
Little Colorado River Nutrioso Creek - Carnero Wash 12 miles AZ15020001-009	A&Wc Not attaining FC Attaining FBC Inconclusive AgI Attaining AgL Attaining Category 4A -- Not attaining	On the Planning List for: 1. *Escherichia coli* exceedance (1 of 12 sampling events, occurred in 2000). 2. Turbidity TMDL follow-up monitoring. Former turbidity standard exceeded in 9 of 12 samples. Turbidity and suspended sediment concentration (SSC) monitoring will be scheduled during the next monitoring cycle for this watershed.		A turbidity TMDL for the two reaches upstream was approved by EPA in 2002. Implementation of strategies identified in that TMDL should also bring this reach into compliance with its standards. Therefore, assessed as "not attaining" and placed on the Planning List for TMDL follow-up monitoring.
Little Colorado River unnamed tributary 15020001-021 to Lyman Lake 3 miles AZ15020001-005	A&Wc Not attaining FC Attaining FBC Inconclusive AgI Attaining AgL Attaining Category 4A -- Not attaining	On the Planning List due to: 1. *Escherichia coli* exceedance (1 of 3 sampling events). 2. Turbidity TMDL follow up monitoring. Former turbidity standard exceeded in 3 of 3 samples. Turbidity and suspended sediment concentration (SSC) monitoring will be scheduled during the next monitoring cycle for this watershed.		A turbidity TMDL was approved by EPA in 2002 for two reaches only 3.2 miles upstream (15020001-010 and -009). Implementation of strategies identified in that TMDL should also bring this reach into compliance with its standards. Therefore, assessed as "not attaining" and placed on the Planning List for TMDL follow-up monitoring.

TABLE 12. LITTLE COLORADO-SAN JUAN WATERSHED — ASSESSMENT, PLANNING LIST, AND 303(d) STATUS TABLE

SURFACE WATER DESCRIPTION	2004 ASSESSMENT 5-CATEGORIES LAKE TROPHIC STATUS	2004 PLANNING LIST	STATUS OF 2002 303(d) LIST RECOMMENDATIONS FOR 2004 LIST	OTHER INFORMATION
Little Colorado River HUC 15020001 boundary - unnamed tributary 15020002-025 14 miles AZ15020002-024	A&Wc Inconclusive FC Inconclusive FBC Inconclusive DWS Inconclusive AgI Inconclusive AgL Inconclusive Category 3 – Inconclusive (not assessed)	On the Planning List due to insufficient monitoring data to assess (only 2 samples).		
Little Colorado River Silver Creek - Carr Wash 6 miles AZ15020002-004	A&Wc Not attaining FC Attaining FBC Impaired DWS Inconclusive AgI Attaining AgL Attaining Category 5 – Impaired	On the Planning List due to: 1. Lead exceedances (3 of 12 samples) . 2. Former turbidity standard exceedances (8 of 8 samples). Turbidity and suspended sediment concentration (SSC) monitoring will be scheduled during the next monitoring cycle for this watershed.	Add *Escherichia coli* to the 303(d) List due to exceedances in 2 of 9 sampling events.	To be consistent with other assessments, this water will be included as a Category 4D water (not attaining) for turbidity and added to the Planning List for the following reasons: 1. Arizona is assessing all waters that are "impaired" under the former turbidity standard (repealed in 2002) as "not attaining" until sufficient turbidity or suspended sediment concentration (new sediment standard) data are collected to make an assessment of "attaining" or "impaired." 2. For the 2002 303(d) List, EPA determined that 5 or more exceedances with less than 20 samples were sufficient to list a water as "impaired", although Arizona's Impaired Waters Identification Rule would require a minimum of 20 samples. 3. Turbidity exceeded standards in 8 of 8 samples. EPA may use exceedances of the former turbidity standard as an indicator of narrative standards violations and place this reach on the 2004 303(d) List due to turbidity.
Little Colorado River Zion Reservoir - Concho Creek 7 miles AZ15020002-016	A&Wc Inconclusive FC Inconclusive FBC Inconclusive DWS Inconclusive AgI Inconclusive AgL Inconclusive Category 3 – Inconclusive	On the Planning List due to: 1. Potential exceedances of the suspended sediment concentration (SSC) geometric mean standard. Turbidity and SSC monitoring will be scheduled during the next monitoring cycle for this watershed. 2. Missing core parameters (only SSC data was collected).		Despite issues applying the SSC standard (see discussion in Chapter III), EPA is developing methods to determine base flow which may result in this reach being added by EPA to the 2004 303(d) List due to suspended sediment concentration.
Little Colorado River Porter Tank - McDonalds Wash 17 miles AZ15020008-017	A&Ww Impaired FC Inconclusive FBC Inconclusive DWS Inconclusive AgI Inconclusive AgL Inconclusive Category 5 -- Impaired	On the Planning List due to: 1. Missing core parameters (only SSC data was collected). 2. Potential exceedances of the suspended sediment concentration geometric mean standard. Turbidity and SSC monitoring will be scheduled during the next monitoring cycle for this watershed.	On the 303(d) List (since 1992) due to copper and silver exceedances. ADEQ initiated a silver and copper TMDL investigation in 2002.	Despite issues applying the SSC standard (see discussion in Chapter III), EPA is developing methods to determine base flow which may result in this reach being added by EPA to the 2004 303(d) List due to suspended sediment concentration.
Little Colorado River, East Fork headwaters - Hall Creek 11 miles AZ15020001-230	A&Wc Inconclusive FC Attaining FBC Attaining AgL Attaining Category 2 -- Attaining Some Uses	On the Planning List due to missing core parameters: dissolved metals (copper and cadmium).		

TABLE 12. LITTLE COLORADO-SAN JUAN WATERSHED — ASSESSMENT, PLANNING LIST, AND 303(d) STATUS TABLE

SURFACE WATER DESCRIPTION	2004 ASSESSMENT 5-CATEGORIES LAKE TROPHIC STATUS	2004 PLANNING LIST	STATUS OF 2002 303(d) LIST RECOMMENDATIONS FOR 2004 LIST	OTHER INFORMATION
Little Colorado River, South Fork headwaters - Little Colorado River 12 miles AZ15020001-027	A&Wc Inconclusive FC Inconclusive FBC Inconclusive AgL Inconclusive Category 3 -- Inconclusive (not assessed)	On the Planning List due to insufficient monitoring data to assess (only 1 sample).		
Little Colorado River, West Fork headwaters - Government Springs 8 miles AZ15020001-013A Unique Water	A&Wc Inconclusive FC Attaining FBC Attaining Category 2 — Attaining Some Uses	On the Planning List due to missing core parameters: dissolved metals (copper and cadmium).		
Little Colorado River, West Fork Government Springs - Little Colorado River 1 mile AZ15020001-013B	A&Wc Inconclusive FC Attaining FBC Attaining AgL Attaining Category 2 -- Attaining Some Uses	On the Planning List due to: 1. Copper exceedance (1 of 1 sample). 2. Missing core parameters: dissolved metals (copper and cadmium).		
Mineral Creek headwaters - Concho Creek 26 miles AZ15020002-648	A&Wc Inconclusive FC Attaining FBC Attaining AgI Attaining AgL Attaining Category 2 – Attaining Some Uses	On the Planning List due to: 1. Low dissolved oxygen (1 of 4 samples). 2. Missing core parameter: dissolved copper.		
Nutrioso Creek headwaters - Picnic Creek 27 miles AZ15020001-017	A&Wc Not attaining FC Attaining FBC Attaining AgI Attaining AgL Attaining Category 4A – Not attaining	On the Planning List for turbidity TMDL follow-up monitoring. Turbidity exceeded the former standard in 1 of 4 samples. Turbidity and suspended sediment concentration (SSC) monitoring will be scheduled during the next monitoring cycle for this watershed.		A turbidity TMDL was approved by EPA in 2000. Added to the Planning List in 2002 for TMDL follow-up monitoring.
Nutrioso Creek Picnic Creek - Little Colorado River 4 miles AZ15020001-015	A&Wc Not attaining FC Inconclusive FBC Inconclusive AgI Inconclusive AgL Inconclusive Category 4A -- Not attaining	On the Planning List for: 1. Turbidity TMDL follow-up monitoring. Turbidity and suspended sediment concentration (SSC) monitoring will be scheduled during the next monitoring cycle for this watershed. 2. Insufficient monitoring (no current monitoring data).		A turbidity TMDL was approved by EPA in 2000. Added to the Planning List in 2002 for TMDL follow-up monitoring.
Porter Creek headwaters - Show Low Creek 4 miles AZ15020005-246	A&Wc Inconclusive FC Inconclusive FBC Inconclusive AgL Inconclusive Category 3 -- Inconclusive (not assessed)	On the Planning List due to: 1. Insufficient monitoring data to assess (only 2 samples). 2. Former turbidity standard exceedance (1 of 1 sample). Turbidity and suspended sediment concentration (SSC) monitoring will be scheduled during the next monitoring cycle for this watershed.		
Rio de Flag Flagstaff WWTP - San Francisco Wash 23 miles AZ15020015-004B	A&Wedw Inconclusive PBC Attaining Category 2 – Attaining Some Uses	On the Planning List due to former turbidity standard exceedance (1 of 4 samples). Turbidity and suspended sediment concentration (SSC) monitoring will be scheduled during the next monitoring cycle for this watershed.		

TABLE 12. LITTLE COLORADO-SAN JUAN WATERSHED — ASSESSMENT, PLANNING LIST, AND 303(d) STATUS TABLE

SURFACE WATER DESCRIPTION	2004 ASSESSMENT 5-CATEGORIES LAKE TROPHIC STATUS	2004 PLANNING LIST	STATUS OF 2002 303(d) LIST RECOMMENDATIONS FOR 2004 LIST	OTHER INFORMATION
Show Low Creek headwaters - Linden Wash 41 miles AZ15020005-012	A&Wc Inconclusive FC Attaining FBC Attaining AgI Attaining AgL Attaining Category 2 -- Attaining Some Uses	On the Planning List due to former turbidity standard exceedances (3 of 5 samples). Turbidity and suspended sediment concentration (SSC) monitoring will be scheduled during the next monitoring cycle for this watershed.		
Silver Creek headwaters - Show Low Creek 34 miles AZ15020005-013	A&Wc Inconclusive FC Attaining FBC Attaining AgI Attaining AgL Attaining Category 2 -- Attaining Some Uses	On the Planning List due to: 1. Low dissolved oxygen (1 of 4 samples). 2. Missing core parameter: dissolved copper. 3. Former turbidity standard exceedance (1 of 4 samples). Turbidity and suspended sediment concentration (SSC) monitoring will be scheduled during the next monitoring cycle for this watershed.		
Silver Creek Seven Mile Draw - Little Colorado River 9 miles AZ15020005-001	A&Wc Not attaining FC Inconclusive FBC Inconclusive AgI Inconclusive AgL Inconclusive Category 4D — Not attaining	On the Planning List due to: 1. Insufficient monitoring data to assess (only 1 sample). 2. Exceedance of the former turbidity standard (1 of 1 sample). Older data indicated 8 of 8 samples exceeded. Turbidity and suspended sediment concentration (SSC) monitoring will be scheduled during the next monitoring cycle for this watershed.		To be consistent with other assessments, this water will be included as a Category 4D water (not attaining) for turbidity and added to the Planning List for the following reasons: 1. Arizona is assessing all waters that are "impaired" under the former turbidity standard (repealed in 2002) "not attaining" until sufficient turbidity or suspended sediment concentration (new sediment standard) data are collected to make an assessment of "attaining" or "impaired." 2. For the 2002 303(d) List, EPA determined that 5 or more exceedances with less than 20 samples were sufficient to list a water as "impaired", although Arizona's Impaired Waters Identification Rule would require a minimum of 20 samples. 3. Turbidity exceeded standards in 8 of 8 samples in older data. EPA may use exceedances of the former turbidity standard as an indicator of narrative standards violations and place this reach on the 2004 303(d) List due to turbidity.
Walnut Creek Pine Lake - Rainbow Lake 9 miles AZ15020005-238	A&Wc Inconclusive FC Inconclusive FBC Inconclusive AgL Inconclusive Category 3 — Inconclusive (not assessed)	On the Planning List. No current data. Added in 2002 due to missing core parameters.		
Willow Creek headwaters - East Clear Creek 32 miles AZ15020008-011	A&Wc Inconclusive FC Inconclusive FBC Inconclusive AgL Inconclusive Category 3 — Inconclusive (not assessed)	On the Planning List. No current data. Added in 2002 due to missing core parameters.		

TABLE 12. LITTLE COLORADO-SAN JUAN WATERSHED — ASSESSMENT, PLANNING LIST, AND 303(d) STATUS TABLE				
SURFACE WATER DESCRIPTION	**2004 ASSESSMENT 5-CATEGORIES LAKE TROPHIC STATUS**	**2004 PLANNING LIST**	**STATUS OF 2002 303(d) LIST RECOMMENDATIONS FOR 2004 LIST**	**OTHER INFORMATION**
Willow Springs Canyon Creek headwaters - Chevelon Creek 9 miles AZ15020010-240 (previously listed as Willow Spring Creek)	A&Wc Inconclusive FC Inconclusive FBC Inconclusive AgL Inconclusive Category 3 -- Inconclusive (not assessed)	On the Planning List. No current monitoring data. Added in 2002 due to missing core parameters.		
Woods Canyon Creek headwaters - Chevelon Creek 13 miles AZ15020010-084	A&Wc Inconclusive FC Inconclusive FBC Inconclusive AgL Inconclusive Category 3 -- Inconclusive (not assessed)	On the Planning List. No current monitoring data. Added in 2002 due to low dissolved oxygen (1 of 2 samples).		
LITTLE COLORADO-SAN JUAN WATERSHED – LAKE ASSESSMENTS				
Ashurst Lake 201 acres AZL15020015-0090	A&Wc Inconclusive FC Attaining FBC Inconclusive AgI Attaining AgL Attaining Category 2 -- Attaining Some Uses Trophic Status – Eutrophic	On the Planning List due to: 1. Missing core parameters: *Escherichia coli* and dissolved metals (copper, cadmium, and zinc). 2. Former turbidity standard exceedances (4 of 4 samples). Causes and sources of turbidity will be investigated during the next monitoring cycle for this watershed.		
Bear Canyon Lake 55 acres AZL15020008-0130	A&Wc Inconclusive FC Attaining FBC Inconclusive AgI Inconclusive AgL Inconclusive Category 2 -- Attaining Some Uses Trophic Status – Mesotrophic	On the Planning List due to: 1. Low dissolved oxygen (2 of 5 samples). 2. Low pH (4 of 5 samples). 3. Chronic selenium exceedance (1 of 4 sampling events). 4. Missing core parameters: *Escherichia coli* and dissolved metals (copper, cadmium, and zinc).		
Black Canyon Lake 37 acres AZ15020010-0180	A&Wc Inconclusive FC Inconclusive FBC Inconclusive DWS Inconclusive AgI Inconclusive AgL Inconclusive Category 3 – Inconclusive Trophic Status not calculated	On the Planning List due to: 1. A fish kill in 2002 related to the Rodeo-Chediski Fire. This may be evidence of narrative standards violations. Monitoring is needed to determine long-term negative impacts from the fire. 2. No current monitoring data.		
Blue Ridge Reservoir 293 acres AZL15020008-0200	A&Wc Inconclusive FC Attaining FBC Inconclusive AgI Attaining AgL Attaining Category 2 -- Attaining Some Uses Trophic Status – Mesotrophic	On the Planning List due to: 1. Low dissolved oxygen (1 of 3 samples). 2. Missing core parameters: *Escherichia coli* and dissolved metals (copper, cadmium, and zinc).		
Bunch Reservoir 64 acres AZL15020001-0230	A&Wc Inconclusive FC Inconclusive FBC Inconclusive AgI Inconclusive AgL Inconclusive Category 3 — Inconclusive Trophic Status not calculated	On the Planning List due to: 1. Low dissolved oxygen (2 of 3 samples). 2. Missing core parameters: *Escherichia coli*, dissolved metals (copper, cadmium, and zinc), total boron, and total metals (mercury and lead).		

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SURFACE WATER DESCRIPTION	2004 ASSESSMENT 5-CATEGORIES LAKE TROPHIC STATUS	2004 PLANNING LIST	STATUS OF 2002 303(d) LIST RECOMMENDATIONS FOR 2004 LIST	OTHER INFORMATION
Carnero Lake 67 acres AZL15020001-0260	A&Wc Inconclusive FC Inconclusive FBC Inconclusive AgL Inconclusive Category 3 — Inconclusive Trophic Status not calculated	On the Planning List due to: 1. Low dissolved oxygen (1 of 3 samples). 2. High pH (2 of 3 samples). 2. Missing core parameters: *Escherichia coli*, turbidity, dissolved metals (copper, cadmium, and zinc), and total metals (mercury and lead).		
Cholla Lake 130 acres AZL15020008-0320	A&Ww Inconclusive FC Inconclusive FBC Inconclusive Category 3 — Inconclusive Trophic status – Hypereutrophic	On the Planning List due to 1. Missing core parameters: *Escherichia coli*, turbidity, dissolved metals (copper, cadmium, and zinc), and total mercury. 2. Fish kill in 2002 was related to resuspension of sediment nutrient loads. This may be evidence of a narrative standards violations.		
Clear Creek Reservoir 29 acres AZL15020008-0340	A&Wc Inconclusive FC Inconclusive FBC Inconclusive DWS Inconclusive AgI Inconclusive AgL Attaining Category 2 -- Attaining Some Uses Trophic status – Eutrophic	On the Planning List due to: 1. Low dissolved oxygen (1 of 5 samples). 1. Missing core parameters: *Escherichia coli*, turbidity, dissolved metals (copper, cadmium, and zinc), total fluoride, total boron, and total mercury.		
Kinnikinick Lake 114 acres AZL15020015-0730	A&Wc Not attaining FC Attaining FBC Inconclusive AgL Attaining Category 5 – Not attaining Trophic status – Eutrophic	On the Planning List due to: 1. Former turbidity standard exceedances (7 of 7 samples). Causes and sources of turbidity will be investigated during the next monitoring cycle for this watershed. 2. Chronic selenium exceedance (1 of 4 sampling events). 3. Missing core parameters: *Escherichia coli* and dissolved metals (copper, cadmium, and zinc).		To be consistent with other assessments, this water will be included as a Category 4D water (not attaining) and added to the Planning List for the following reasons: 1. Arizona is assessing all waters that are "impaired" under the former turbidity standard (repealed in 2002) as "not attaining" until sufficient turbidity or suspended sediment concentration (new sediment standard) data are collected to make an assessment of "attaining" or "impaired." 2. For the 2002 303(d) List, EPA determined that 5 or more exceedances with less than 20 samples were sufficient to list a water as "impaired", although Arizona's Impaired Waters Identification Rule would require a minimum of 20 samples. 3. Turbidity exceeded standards in 7 of 7 samples. EPA may use exceedances of the former turbidity standard as an indicator of narrative standards violations and place this reach on the 2004 303(d) List due to turbidity.

TABLE 12. LITTLE COLORADO-SAN JUAN WATERSHED — ASSESSMENT, PLANNING LIST, AND 303(d) STATUS TABLE

SURFACE WATER DESCRIPTION	2004 ASSESSMENT 5-CATEGORIES LAKE TROPHIC STATUS	2004 PLANNING LIST	STATUS OF 2002 303(d) LIST RECOMMENDATIONS FOR 2004 LIST	OTHER INFORMATION
Lake Mary (lower) 764 acres AZL15020015-0890	A&Wc Inconclusive FC Impaired FBC Inconclusive AgL Inconclusive Category 5 — Impaired Trophic status not calculated	On the Planning List due to insufficient monitoring data (no current water quality monitoring data).	EPA placed this reach on the 2002 303(d) List due to the mercury fish consumption advisory issued in 2002. EPA's listing was based on violation of a narrative standard. Arizona's Impaired Waters Identification Rule requires adoption of narrative implementation procedures before the state may use narrative information in a listing decision, but once listed the lake cannot be delisted until a TMDL is complete or sufficient data are collected to indicate that mercury in fish tissue is no longer a concern (e.g., fish consumption advisory is removed). ADEQ is currently collecting fish tissue data and investigating potential mercury sources in support of completing a TMDL.	Mercury does not stay in an aqueous state and bioaccumulates rapidly up the food chain. For this assessment, t lab reporting limits were not low enough to assess chronic mercury standards; therefore, the lack of exceedances in the water column does not provide sufficient information about mercury problems in the lake. Recently ADEQ has applied new "clean sampling" techniques that will provide lower detection limits.
Lake Mary (upper) 760 acres AZL15020015-0900	A&Wc Inconclusive FC Impaired FBC Inconclusive DWS Inconclusive AgL Inconclusive Category 5 – Impaired Trophic status – Eutrophic	On the Planning List due to: 1. Insufficient water quality data to assess (only 1 sampling event). 2. Exceedance of the former turbidity standard (1 out of 1 sampling event). Causes and sources of turbidity will be investigated during the next monitoring cycle for this watershed.	EPA placed this reach on the 2002 303(d) List due to the mercury fish consumption advisory issued in 2002. EPA's listing was based on a narrative standard violation. Arizona's Impaired Waters Identification Rule requires adoption of narrative implementation procedures before the state may use narrative information in a listing decision, but once listed the surface water cannot be delisted until a TMDL is complete or sufficient data are collected to indicate that mercury in fish tissue is no longer a concern (e.g., fish consumption advisory is removed). ADEQ is currently collecting fish tissue data and investigating potential mercury sources in support of completing a TMDL.	Mercury does not stay in an aqueous state and bioaccumulates rapidly up the food chain. For this assessment, t lab reporting limits were not low enough to assess chronic mercury standards; therefore, the lack of exceedances in the water column does not provide sufficient information about mercury problems in the lake. Recently ADEQ has applied new "clean sampling" techniques that will provide lower detection limits.
Lee Valley Reservoir 38 acres AZL15020001-0770	A&Wc Inconclusive FC Attaining FBC Inconclusive AgI Attaining AgL Attaining Category 2 — Attaining Some Uses Trophic status – Hypereutrophic	On the Planning List due to missing core parameters: *Escherichia coli* and dissolved metals (cadmium and copper).		
Long Lake (lower) 323 acres AZL15020008-0820	A&Wc Inconclusive FC Inconclusive FBC Inconclusive AgI Inconclusive AgL Inconclusive Category 3 -- Inconclusive Trophic status not calculated	On the Planning List due to: 1. Missing core parameters: turbidity, *Escherichia coli*, total boron, total metals (mercury, manganese, copper, and lead), and dissolved metals (copper, cadmium, and zinc). 2. Insufficient seasonal coverage. 3. Fish consumption advisory issued in 2003 due to mercury in fish tissue may be evidence of a narrative toxic standards violation.		A fish consumption advisory was issued due to mercury in fish tissue in 2003. For the 2002 303(d) List, EPA placed waters with a fish consumption advisory on the 303(d) List as the advisory was considered adequate evidence of a narrative toxic standards violation. ADEQ anticipates that EPA will take the same action and place this water on the 2004 303(d) List.
Lyman Lake 1308 acres AZL15020001-0850	A&Wc Inconclusive FC Inconclusive FBC Inconclusive AgI Inconclusive AgL Inconclusive Category 3 – Inconclusive (not assessed) Trophic status not calculated	On the Planning List due to: 1. Insufficient monitoring data to assess (only 1 sample). 2. A fish consumption advisory issued in 2002 for mercury in fish tissue. This may be evidence of a narrative toxic standards violation.		A fish consumption advisory was issued due to mercury in fish tissue in 2002. For the 2002 303(d) List, EPA placed waters with a fish consumption advisory on the 303(d) List as the advisory was considered adequate evidence of a narrative toxic standards violation. ADEQ anticipates that EPA will take the same action and place this water on the 2004 303(d) List.

TABLE 12. LITTLE COLORADO-SAN JUAN WATERSHED — ASSESSMENT, PLANNING LIST, AND 303(d) STATUS TABLE

SURFACE WATER DESCRIPTION	2004 ASSESSMENT 5-CATEGORIES LAKE TROPHIC STATUS	2004 PLANNING LIST	STATUS OF 2002 303(d) LIST RECOMMENDATIONS FOR 2004 LIST	OTHER INFORMATION
McKay Reservoir 12 acres AZL15020001-0007	A&Wc Inconclusive FC Inconclusive FBC Inconclusive AgI Inconclusive AgL Inconclusive Category 3 -- Inconclusive (not assessed) Trophic status not calculated	On the Planning List. No current monitoring data. Added in 2002 due to: 1. Low dissolved oxygen (1 of 1 sample). 2. High pH (1 of 1 sample). 3. Missing core parameters. 4. Insufficient sampling events.		
Nelson Reservoir 67 acres AZL15020001-1000	A&Wc Inconclusive FC Inconclusive FBC Inconclusive AgI Inconclusive AgL Inconclusive Category 3 -- Inconclusive (not assessed) Trophic status not calculated	On the Planning List due to insufficient monitoring data to assess (only 1 sample).		
Rainbow Lake 111 acres AZL15020005-1170	A&Wc Not attaining FC Inconclusive FBC Not attaining AgI Not attaining AgL Not attaining Category 4A -- Not attaining Trophic status – Eutrophic	On the Planning List for: 1. TMDL follow-up monitoring (nutrients and pH). 2. Missing core parameter (field turbidity).		Nutrient and pH TMDLs were approved by EPA in 2000. Placed on the Planning List in 2002 for follow-up monitoring.
River Reservoir 141 acres AZL15020001-1220	A&Wc Inconclusive FC Inconclusive FBC Inconclusive AgI Inconclusive AgL Inconclusive Category 3 — Inconclusive Trophic status not calculated	On the Planning List due to missing core parameters: turbidity, *Escherichia coli*, total boron, total metals (mercury, and lead), and dissolved metals (copper, cadmium, and zinc).		
Soldiers Annex Lake 122 acres AZL15020008-1430	A&Wc Inconclusive FC Inconclusive FBC Inconclusive AgI Inconclusive AgL Inconclusive Category 3 -- Inconclusive (not assessed) Trophic Status not calculated	On the Planning List due to: 1. Insufficient monitoring data to assess (only 1 sample). 2. A fish consumption advisory issued in 2003 for mercury in fish tissue. This may be evidence of a narrative toxic standards violation.		A fish consumption advisory was issued due to mercury in fish tissue in 2003. For the 2002 303(d) List, EPA placed waters with a fish consumption advisory on the 303(d) List as the advisory was considered adequate evidence of a narrative toxic standards violation. ADEQ anticipates that EPA will take the same action and place this water on the 2004 303(d) List.
Soldiers Lake 28 acres AZ15020008-1440	A&Wc Inconclusive FC Inconclusive FBC Inconclusive AgI Inconclusive AgL Inconclusive Category 3 -- Inconclusive (not assessed) Trophic Status not calculated	On Planning List due to: 1. No current water quality monitoring data. 2. A fish consumption advisory issued in 2003 for mercury in fish tissue. This may be evidence of a narrative toxic standards violation.		A fish consumption advisory was issued due to mercury in fish tissue in 2003. For the 2002 303(d) List, EPA placed waters with a fish consumption advisory on the 303(d) List as the advisory was considered adequate evidence of a narrative toxic standards violation. ADEQ anticipates that EPA will take the same action and place this water on the 2004 303(d) List.

TABLE 12. LITTLE COLORADO-SAN JUAN WATERSHED — ASSESSMENT, PLANNING LIST, AND 303(d) STATUS TABLE				
SURFACE WATER DESCRIPTION	**2004 ASSESSMENT 5-CATEGORIES LAKE TROPHIC STATUS**	**2004 PLANNING LIST**	**STATUS OF 2002 303(d) LIST RECOMMENDATIONS FOR 2004 LIST**	**OTHER INFORMATION**
Tunnel Reservoir 43 acres AZL15020001-1550	A&Wc Inconclusive FC Inconclusive FBC Inconclusive AgI Inconclusive AgL Inconclusive Category 3 – Inconclusive Trophic status not calculated	On the Planning List due to: 1. Missing core parameters: *Escherichia coli*, turbidity, total boron, total metals (mercury, manganese, and lead) and dissolved metals (copper, cadmium, and zinc). 2. Low dissolved oxygen (1 of 3 samples).		
Woods Canyon Lake 70 acres AZL15020010-1700	A&Wc Inconclusive FC Attaining FBC Inconclusive DWS Attaining AgI Attaining AgL Attaining Category 2 — Attaining some uses Trophic status – Eutrophic	On the Planning List due to missing core parameters: *Escherichia coli* and dissolved metals (cadmium, copper, and zinc).		